

CLASSIFICATION:

**UNCLASSIFIED**

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: <div>JUNE 2001</div>			
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY/BA5					R-1 ITEM NOMENCLATURE Ship Self Defense (Engage: Soft Kill)/0604757N					
COST (\$ in Millions	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Cost
Total PE Cost			41.670						CONT.	CONT.
Shipboard EW Imp / K0954			2.308						CONT.	CONT.
NULKA/K2441			0.531						CONT.	CONT.
AIEWS / K2309/K2792/K2793			38.831						CONT.	CONT.
Quantity of RDT&E Articles										
A. Mission Description and Budget Item Justification This program element consolidates currently ongoing and planned programmatic efforts related to Engage: Soft Kill Electronic Warfare (EW) aspects of Ship Self Defense (SSD) to facilitate effective planning and management of these efforts and to exploit the synergistic relationship inherent in each. Analysis and demonstration have established that surface SSD based on single-sensor detection point-to-point control architecture performs marginally against current and projected Anti-Ship Cruise Missile (ASCM) threats. The supersonic seaskimming ASCM reduces the effective battle space to the horizon and the available reaction time-line to less than 30 seconds from first opportunity to detect until the ASCM impacts its target ship. Against such a threat, multi-sensor integration is required for effective detection, and parallel processing is essential to reduce reaction time to acceptable levels and to provide vital coordination/integration of hardkill and softkill assets.										

R-1 SHOPPING LIST - Item No. 139 - 1 of 139 - 16

**Exhibit R-2, RDT&E Budget Item Justification**  
(Exhibit R-2, page 1 of 16)

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

EXHIBIT R-2, RDT&E Budget Item Justification		DATE: <b>JUNE 2001</b>
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY/BA5</b>	R-1 ITEM NOMENCLATURE Ship Self Defense/0604757N	
<p>These SSD projects address and coordinate the detect and engage functions necessary to meet the rigorous SSD requirements within a development structure dedicated to systems engineering.</p> <p><b>(U) DETECTION:</b> Improved coordinated sensor performance to increase the probability of detecting low altitude, low observable targets is to be achieved through the synergism gained from the integration of dissimilar sensor sources. Sensor improvements are addressed through the Shipboard Electronic Warfare Improvements (K0954) and Advanced Integrated Electronic Warfare System (K2309) projects. These improvements to both active and passive detection capabilities are complementary to the ship signature reduction technology also being pursued through Shipboard EW (K0954).</p> <p><b>(U) ENGAGEMENT:</b> The offboard Active Decoy (NULKA, K2190) is a joint cooperative program between the United States and Australia to develop and engage an active offboard decoy which utilizes a broadband radio frequency repeater mounted atop a hovering rocket. The Decoy is designed to counter a wide variety of present and future radar guided Anti-Ship Missile (ASM) threats by radiating a large radar cross section signal while flying trajectory.</p>		

R-1 SHOPPING LIST - Item No. 139 - 2 of 139 - 16

**Exhibit R-2, RDT&E Budget Item Justification**  
(Exhibit R-2, page 2 of 16)

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

EXHIBIT R-2, RDT&E Budget Item Justification		DATE: <b>JUNE 2001</b>																									
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY/BA5</b>		R-1 ITEM NOMENCLATURE Ship Self Defense/0604757N																									
<p>B. Program Change Summary:</p> <table> <thead> <tr> <th></th> <th>FY 2000</th> <th>FY 2001</th> <th>FY 2002</th> </tr> </thead> <tbody> <tr> <td>FY 2001 President's Budget Submit:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Appropriated Value:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Adjustments to FY2000/2001 Appropriated Value</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FY2001 President's Budget:</td> <td></td> <td></td> <td>41.670</td> </tr> <tr> <td>FY 2002 PRESBUD Submit:</td> <td></td> <td></td> <td>41.670</td> </tr> </tbody> </table> <p>Funding:  FY02: Shipboard EW Imp Program's AN/SLQ-32 adjustments (+\$2.300), AIEWS PBCG Offsets (-\$24.900), AIEWS increase to maintain program schedule (+\$38.800), minor price adjustments (-\$0.065), amount included in project amount transfered from PE 0604755N (+25.535)  Schedule: Not applicable.</p> <p>Technical: Not Applicable.</p>					FY 2000	FY 2001	FY 2002	FY 2001 President's Budget Submit:				Appropriated Value:				Adjustments to FY2000/2001 Appropriated Value				FY2001 President's Budget:			41.670	FY 2002 PRESBUD Submit:			41.670
	FY 2000	FY 2001	FY 2002																								
FY 2001 President's Budget Submit:																											
Appropriated Value:																											
Adjustments to FY2000/2001 Appropriated Value																											
FY2001 President's Budget:			41.670																								
FY 2002 PRESBUD Submit:			41.670																								

R-1 SHOPPING LIST - Item No. 139 - 3 of 139- 16

**Exhibit R-2, RDT&E Budget Item Justification**  
(Exhibit R-2, page 3 of 16)

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

EXHIBIT R-2a, RDT&E Project Justification							DATE: JUNE 2001				
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NAME AND NUMBER				PROJECT NAME AND NUMBER					
RDT&E, N		Ship Self Defense 0604757N				Shipboard EW Improvements K0954					
COST (\$ in Millions)		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Cost
Project Cost		0.000	0.000	2.308						Continuing	Continuing
RDT&E Articles Qty											
<p>A. (U) Mission Description and Budget Item Justification: The AN/SLQ-32(V) provides a family of modular shipborne electronic equipment which is installed in most combatants, CV/CVN, amphibians and auxiliaries in the surface Navy. The systems, which consists of five configurations, performs the mission of early detection, analyses, threat warning, and protection from anti-ship missiles. The (V)1 and (V)2 are computer controlled Electronic Support (ES) Systems that detect , sort, classify, identify and continuously display signals within frequency ranges. The (V)3 and (V)4 provide the capabilities of the passive system plus an integrated Active Electronic Attack (EA) response for all signals classified as a threat. The (V)5 provides for an EA capability on smaller class ships.</p> <p>CINCLANTFLT/CINCPACFLT msg R091300Z Jul 99 identified the AN/SLQ-032(V) system as experiencing extensive operational and readiness deficiencies. JFCOM, PACOM, and EUCOM have all submitted Component Commanders Issue Papers (CCIP) stating the need to keep the AN/SLQ-32 viable. Development of targeted improvements, ES/EA enhancements, and techniques for new threats are all necessary to ensure future mission tactical suitability and viability until it is replaced by AN/SLY-2 in approximately FY 2020.</p> <p>(U) PROGRAM ACCOMPLISHMENTS AND PLANS:</p> <p>U) FY02 PLAN:</p> <p>- (U) (\$2.308) Initiate development of hardware and software to increase AN/SLQ-32(V) Anti-Ship Missile Defense (ASMD) effectiveness. The updates to hardware and software are needed to keep pace with Anti-Ship Missiles (ASMS) as they have evolved into more complex types of emitters. The environment in which the AN/SLQ-32(V) operates in has become increasingly dense. The AN/SLQ-32(V) updates will also aid in handling the significant increase in density of emitters.</p> <p>*This project transferred from PE 0604755N in FY 2002 (no funding was budgeted for this project in FY 2000 or FY 2001)</p>											

R-1 SHOPPING LIST - Item No. 139 -4 of 139 -16

**Exhibit R-2a, RDT&E Project Justification**  
(Exhibit R-2a, page 4 of 16)

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

EXHIBIT R-2a, RDT&E Project Justification								DATE:																																													
								<b>JUNE 2001</b>																																													
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NAME AND NUMBER			PROJECT NAME AND NUMBER																																																
<b>RDTE, N</b>		<b>SHIP SELF DEFENSE 0604757N</b>			<b>Shipboard EW Improvements K0954</b>																																																
<p>B. (U) Other Program Funding Summary</p> <table> <thead> <tr> <th></th> <th>FY 2000</th> <th>FY2001</th> <th>FY2002</th> <th>FY2003</th> <th>FY2004</th> <th>FY2005</th> <th>FY 2006</th> <th>FY 2007</th> <th>To Complete</th> <th>Total Cost</th> </tr> </thead> <tbody> <tr> <td>OPN BA-2 AN/SLQ-32(V) (231200)</td> <td>1.883</td> <td>0.000</td> <td>1.971</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>cont</td> <td>cont</td> </tr> <tr> <td>O&amp;MN, EW, AN/SLQ-32 (12CR0)</td> <td>1.358</td> <td>1.486</td> <td>1.468</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>cont</td> <td>cont</td> </tr> <tr> <td>IN,ASMD, ANSLQ-32 (1D4D)</td> <td>6.511</td> <td>5.227</td> <td>7.657</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>cont</td> <td>cont</td> </tr> </tbody> </table> <p>C. Acquisition Strategy: Not Applicable</p> <p>D. Schedule Profile: Not Applicable</p>											FY 2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY 2006	FY 2007	To Complete	Total Cost	OPN BA-2 AN/SLQ-32(V) (231200)	1.883	0.000	1.971						cont	cont	O&MN, EW, AN/SLQ-32 (12CR0)	1.358	1.486	1.468						cont	cont	IN,ASMD, ANSLQ-32 (1D4D)	6.511	5.227	7.657						cont	cont
	FY 2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY 2006	FY 2007	To Complete	Total Cost																																											
OPN BA-2 AN/SLQ-32(V) (231200)	1.883	0.000	1.971						cont	cont																																											
O&MN, EW, AN/SLQ-32 (12CR0)	1.358	1.486	1.468						cont	cont																																											
IN,ASMD, ANSLQ-32 (1D4D)	6.511	5.227	7.657						cont	cont																																											

R-1 SHOPPING LIST - Item No. 139 -5 of 139 -16

**Exhibit R-2a, RDT&E Project Justification**  
(Exhibit R-2a, page 5 of 16)

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

Exhibit R-3 Cost Analysis (page 1)								DATE: <b>JUNE 2001</b>				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NAME AND NUMBER						
<b>RDT&amp;E, N</b>			<b>Ship Self Defense 0604757N</b>			<b>Shipboard EW Improvements, K0954</b>						
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development	RC/FFP	TBD	0.000					1.967	11/01	Continuing	Continuing	
Ancillary Hardware Development		Various	151.420								151.420	
Systems Engineering											0.000	
Licenses											0.000	
Tooling											0.000	
GFE											0.000	
Award Fees											0.000	
Subtotal Product Development			151.420					1.967		Continuing	Continuing	
Remarks:												
Development Support Equipment											0.000	
Software Development											0.000	
Training Development											0.000	
Integrated Logistics Support											0.000	
Configuration Management											0.000	
Technical Data											0.000	
GFE											0.000	
Subtotal Support			0.000					0.000		0.000	0.000	
Remarks:												

R-1 SHOPPING LIST - Item No. 139-6 of 139-16

**Exhibit R-3, Project Cost Analysis**  
(Exhibit R-3, page 6 of 16)

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

Exhibit R-3 Cost Analysis (page 2)								DATE: <b>JUNE 2001</b>				
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N</b>			PROGRAM ELEMENT <b>Ship Self Defense 0604757N</b>			PROJECT NAME AND NUMBER <b>Shipboard EW Improvements, K0954</b>						
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation		Various	8.563								8.563	
Operational Test & Evaluation											0.000	
Tooling											0.000	
GFE											0.000	
Subtotal T&E			8.563					0.000			0.000	
Remarks:												
Contractor Engineering Support											0.000	
Government Engineering Support	WR	NSWC/CD & NRL						0.241		Continuing	Continuing	
Program Management Support	WR	NSWC/CD & NRL						0.100		Continuing	Continuing	
Program Management Support		Various	22.045								22.045	
Labor (Research Personnel)											0.000	
Overhead											0.000	
Subtotal Management			22.045					0.341		Continuing	Continuing	
Remarks:												
Total Cost			182.028	0.000		0.000		2.308		Continuing	Continuing	
Remarks:												

R-1 SHOPPING LIST - Item No. 139-7 of 139-16

**Exhibit R-3, Project Cost Analysis**  
(Exhibit R-3, page 7 of 16)

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>JUNE 2001</b>			
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N/BA5</b>		PROGRAM ELEMENT NAME AND NUMBER <b>SHIP SELF DEFENSE 0604757N</b>			PROJECT NAME AND NUMBER NULKA DECOY/K2190/K2441					
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Cost
Project Cost			<b>0.531</b>						CONTINUING	CONTINUING
RDT&E Articles Qty										
<p>A. (U) Mission Description and Budget Item Justification  The Offboard Active Decoy (NULKA) is a joint cooperative program between the United States and Australia that developed an active offboard decoy which utilizes a broadband radio frequency repeater mounted atop a hovering rocket. NULKA is designed to counter a wide variety of present and future radar guided Anti-Ship Missiles (ASM) by radiating a large radar cross section while flying a ship-like trajectory. The United States developed the electronic payload and fire control system, while Australia developed the hovering rocket. Currently the United States is completing efforts to integrate with Ship Self Defense System (SSDS), maintain Electromagnetic Compatibility (EMC) with shipboard emitters, and integration with the Advanced Integrated Electronic Warfare System (AIEWS). In order to maintain our effectiveness in countering both current and evolving threats, it is critical to maintain a continuous RDT&amp;E budget for payload modifications and testing. This will ensure we provide the fleet with a proven and effective capability that they can have complete confidence in when called on to go in harms way.</p> <p>(U) PROGRAM ACCOMPLISHMENTS AND PLANS:</p> <p>1. (U) FY 2002 Plan:  - (U) (\$0.531) Develop radar cued decoy launch capability. Integration and test of new capabilities from Advanced Technology Demonstrations for fleet introduction in FY03/04.</p> <p>*This project transferred from PE 0604755N in FY 2002</p>										

R-1 SHOPPING LIST - Item No. 139 - 8 of 139 - 16

**Exhibit R-2a, RDT&E Project Justification**  
(Exhibit R-2a, page 8 of 16)

**UNCLASSIFIED**



CLASSIFICATION:

**UNCLASSIFIED**

EXHIBIT R-2a, RDT&E Project Justification						DATE: <b>JUNE 2001</b>																								
APPROPRIATION/BUDGET ACTIVITY <b>RDTE&amp;E, N/BA5</b>		PROGRAM ELEMENT NAME AND NUMBER <b>SHIP SELF DEFENSE 0604757N</b>			PROJECT NAME AND NUMBER NULKA Decoy/K2190/K2441																									
<p>B. (U) Program Change Summary: (OPN Line 553000)</p> <table><thead><tr><th></th><th>FY 2000</th><th>FY 2001</th><th>FY 2002</th><th>FY 2003</th><th>FY 2004</th><th>FY 2005</th><th>FY 2006</th><th>FY 2007</th><th>To Complete CONT.</th><th>Total Cost CONT.</th></tr></thead><tbody><tr><td>Anti-Ship Missile Decoy System</td><td>32.101</td><td>37.765</td><td>27.513</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> <p>C. (U) Acquisition Strategy: N/A</p> <p>D. (U) Schedule Profile: See Attached.</p>										FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete CONT.	Total Cost CONT.	Anti-Ship Missile Decoy System	32.101	37.765	27.513							
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete CONT.	Total Cost CONT.																				
Anti-Ship Missile Decoy System	32.101	37.765	27.513																											

R-1 SHOPPING LIST - Item No. 139 - 9 of 139 - 16

**Exhibit R-2a, RDT&E Project Justification**  
(Exhibit R-2a, page 9 of 16)

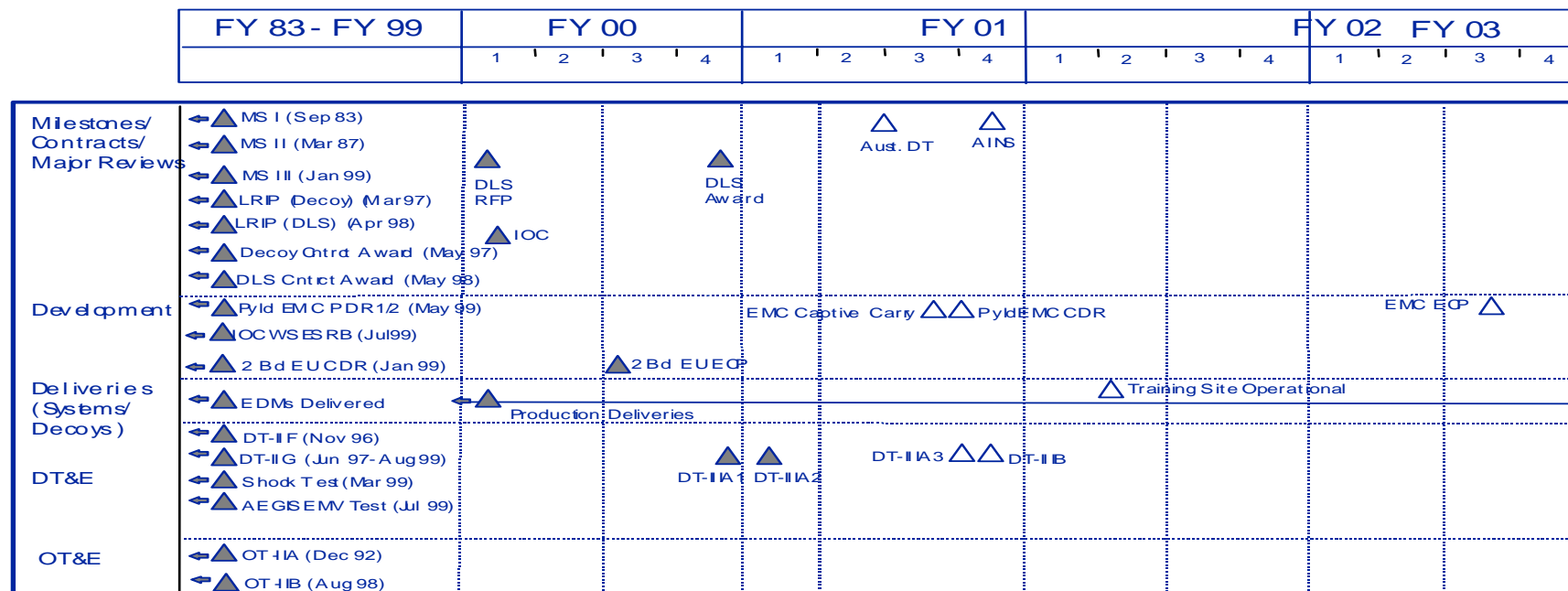
**UNCLASSIFIED**

CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-2a, RDT&E Project Justification		DATE: JUNE 2001
APPROPRIATION/BUDGET ACTIVITY RDT&E, N/BA5	PROGRAM ELEMENT NAME AND NUMBER SHIP SELF DEFENSE 0604757N	PROJECT NAME AND NUMBER NULKA Decoy/K2190/K2441

## OVERALL NULKA/MK 53 DLS SCHEDULE



10 JAN 01

R-1 SHOPPING LIST - Item No. 139 - 10 of 139 - 16

UNCLASSIFIED

Exhibit R-2a, RDT&amp;E Project Justification

(Exhibit R-2a, page 10 of 16)

CLASSIFICATION:

**UNCLASSIFIED**

Exhibit R-3 Cost Analysis (page 1)								DATE: <b>JUNE 2001</b>				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NAME AND NUMBER						
<b>RDT&amp;E, N/BA5</b>			<b>SHIP SELF DEFENSE 0604757N</b>			<b>NULKA Decoy/K2190/K2441</b>						
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Product Development	WR	NSWC Crane, IN	2.250					0.195	10/01	CONT.	CONT.	N/A
	WR	NSWC Indian Head, MD	2.047								2.047	N/A
	WR	NSWC Dahlgren, VA	4.723					0.195	10/01	CONT.	CONT.	N/A
	WR	NSWC Port Hueneme, CA	0.908								0.908	N/A
	WR	NRL Washington, DC	2.673								2.673	N/A
	SS/CPFF	Sippican Boston, MA	3.592								3.592	3.592
	SS/CPFF	BAeA, Australia	5.440								5.440	5.953
	SS/CPFF	TBD	0.000									
	PD	NAVSUP Washington, DC	2.400								2.400	2.400
Subtotal Product Development			24.033					0.390		CONT.	CONT.	CONT.
Remarks:												
Support and Management	CC/CPFF	Anteon Arlington, VA	0.806					0.047	11/01	CONT.	CONT.	
	MIPR	GRCI	0.000									
Travel	Various	Various	1.750					0.061	10/01	CONT.	CONT.	
Miscellaneous	Various	Various						0.033	10/00	CONT.	CONT.	
Subtotal Support and Management			2.556					0.141		CONT.	CONT.	
Remarks:												
Test & Evaluation	WR	OPTEVFOR	0.150								0.150	
	WR	NSWC Pt. Mugu, CA.	0.567								0.567	
	WR	NRL Washington, DC									0.000	
Subtotal T&E			0.717								0.717	
Total Cost			27.306					0.531		CONT.	CONT.	
Remarks:												

R-1 SHOPPING LIST - Item No. 139 - 11 of 139 - 16

**Exhibit R-3, Project Cost Analysis**  
(Exhibit R-3, page 11 of 16)

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

EXHIBIT R-2a, RDT&E Project Justification							DATE: JUNE 2001			
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NAME AND NUMBER				PROJECT NAME AND NUMBER					
RDT&E, N/BA 5	Ship Self Defense / 0604757N				Advanced Integrated Electronic Warfare System (AIEWS)/K2309					
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Cost
Project Cost	51.839	43.619	38.831						Cont.	Cont.
RDT&E Articles Qty										

A. (U) Mission Description and Budget Item Justification: Advanced Integrated Electronic Warfare System (AIEWS) is the next-generation Electronic Warfare (EW) system which will be an integral part of the ship combat system (AEGIS and Ship Self Defense System (SSDS)). AIEWS will be developed in two sequential increments. Increment 1 will introduce advanced Electronic Support (ES) consisting of precision Electronic Support Measures (ESM), Specific Emitter Identification (SEI) and special receiver, increased processing throughput, open architecture, a standard combat system workstation with new Human Machine Interface (HMI), decoy integration, and EMI improvements. Increment 2 will introduce both Radio Frequency (RF) and Infrared (IR) advanced Electronic Attack (EA) capabilities including advanced off-board decoys. This development will support both backfit and forward fit. The Engineering and Manufacturing Development (EMD) prime contract includes EDMs to be used for multiple purposes: factory qualification tests, Landbased Testing (LBT) and Operational Assessment (OA), Wallops Island B/L 7 and 6 and SSDS combat system interface testing, Combat System Engineering Development System (CSEDS) testing and TECHEVAL/OPEVAL.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

(U) FY02 PLAN:

- (U) (\$28.207) Continue AIEWS Increment 1 EMD prime contract; complete EDM build; Lab/Field Activity support included.
- (U) (\$4.750) Continue CAPS software development.
- (U) (\$1.089) Continue Increment 1 logistics efforts.
- (U) (\$4.785) Continue test and evaluation efforts to support engineering, development and operational testing of Increment 1; perform Operational Assessment (OA) & transition to LRIP.

\*This project transferred from PE 0604755N in FY 2002

R-1 SHOPPING LIST - Item No. 139 - 12 of 139 - 16

**Exhibit R-2a, RDT&E Project Justification**  
(Exhibit R-2a, page 12 of 16)

**UNCLASSIFIED**

CLASSIFICATION:

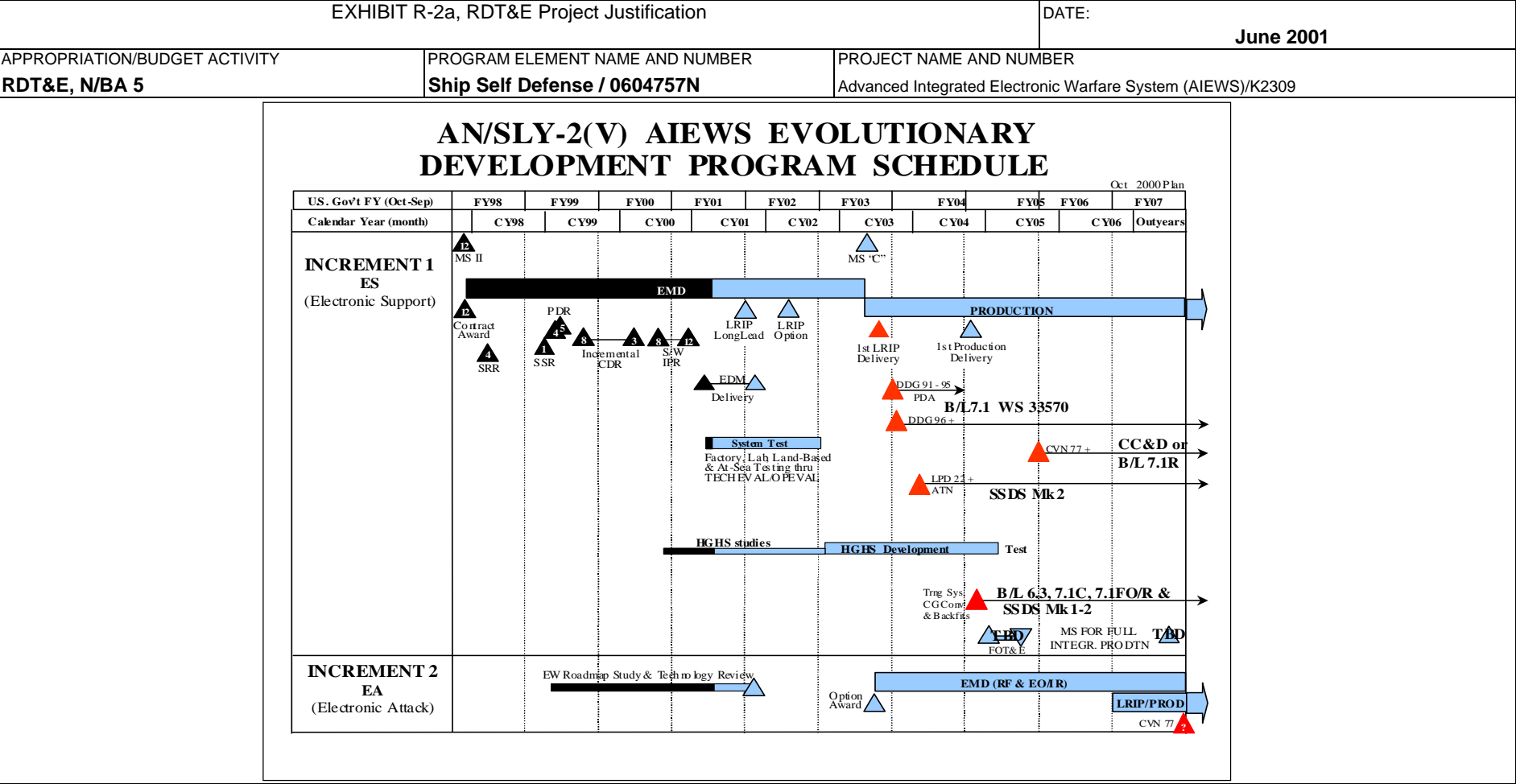
UNCLASSIFIED

EXHIBIT R-2a, RDT&E Project Justification							DATE: JUNE 2001																																				
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NAME AND NUMBER			PROJECT NAME AND NUMBER																																						
RDT&E, N/BA 5		Ship Self Defense / 0604757N			Advanced Integrated Electronic Warfare System (AIEWS)/K2309																																						
<p>B. (U) Other program Funding Summary</p> <table><thead><tr><th></th><th>FY2000</th><th>FY2001</th><th>FY2002</th><th>FY2003</th><th>FY2004</th><th>FY2005</th><th>FY2006</th><th>FY2007</th><th>To Complete</th><th>Total Cost</th></tr></thead><tbody><tr><td>OPN 231300</td><td>0</td><td>0</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td>CONT</td></tr><tr><td>AIEWS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>CONT</td></tr></tbody></table> <p>C. (U) Acquisition Strategy: The AIEWS program awarded its Increment 1 EMD Cost Plus Award Fee (CPAF) contract based on best value as a result of a full and open competition. Included in the contract were phased price options for Increment 1 LRIP and production. Other options include Increment 2 EMD and LRIP for RF and IR countermeasures Options for full contractor support</p>												FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	To Complete	Total Cost	OPN 231300	0	0	0							CONT	AIEWS										CONT
	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	To Complete	Total Cost																																	
OPN 231300	0	0	0							CONT																																	
AIEWS										CONT																																	

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED



R-1 SHOPPING LIST - Item No. 139 - 14 of 139 - 16

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

Exhibit R-3 Cost Analysis (page 1)								DATE: <b>JUNE 2001</b>				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NAME AND NUMBER						
<b>RDT&amp;E, N/BA 5</b>			<b>Ship Self Defense / 0604757N</b>			Advanced Integrated Electronic Warfare System (AIEWS)/K2309						
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Hardware Development	C/CPAF	LMIS Syracuse NY	36.369					22.960	12/01	CONT	CONT	CONT
HGHS Development	TBD	TBD	-					-	-	TBD	TBD	TBD
Software Development	C/CPAF	DSR Fairfax VA	15.261					3.600	12/01	CONT	CONT	CONT
Systems Engineering	WR/RCP	NSWCDD	2.913					1.080	11/01	CONT	CONT	
Combat Sys Modification/Integration	Various	Various	1.114					0.274	03/01	CONT	CONT	
Miscellaneous	Various	Various	3.044					1.908	11/01	CONT	CONT	
Q-70 Procurement	FFP	LM/Eagan	0.686						N/A	0.000	1.416	N/A
Award Fees	C/CPAF	LM & DSR	1.371					1.171	08/01	CONT	CONT	N/A
Subtotal Product Development			60.758					30.993		CONT	CONT	
Remarks: Total cost for Increment 1 hardware development includes basic EMD contract EAC plus options in progress.												
Specialty Engineering												
Integrated Logistics Support												
Training												
Technical Engineering Services	WR/RCP	NRL	1.978					0.975	11/01	CONT	CONT	
Miscellaneous	Various	Various	2.545					1.762	11/01	CONT	CONT	
Subtotal Support			4.523					2.737		CONT	CONT	
Remarks:												

R-1 SHOPPING LIST - Item No. 139 - 15 of 139 - 16

**Exhibit R-3, Project Cost Analysis**  
(Exhibit R-3, page 15 of 16)

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

Exhibit R-3 Cost Analysis (page 2)									DATE: <b>JUNE 2001</b>			
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NAME AND NUMBER						
<b>RDT&amp;E, N/BA 5</b>			<b>Ship Self Defense / 0604757N</b>			Advanced Integrated Electronic Warfare System (AIEWS)/K2309						
Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 00 Cost	FY 00 Award Date	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Test Planning/T&E Events	WR/RCP	NSWCDD	0.200					1.184	01/02	CONT	CONT	
Miscellaneous	Various	Various	0.280					2.555	01/02	CONT	CONT	
Test Events (Aircraft Services	Various	Various	-					1.046	01/01			
Subtotal T&E			0.480					4.785		CONT	CONT	
Remarks:												
Program Management Support	Various	Various	0.715					0.155	10/01	CONT	CONT	
Travel								0.161				
Subtotal Management			0.715					0.316		CONT	CONT	
Remarks:												
Total Cost			66.476	0.000		0.000		38.831		CONT	CONT	
Remarks:												

R-1 SHOPPING LIST - Item No. 139 - 16 of 139 - 16

**Exhibit R-3, Project Cost Analysis**  
(Exhibit R-3, page 16 of 16)

UNCLASSIFIED